

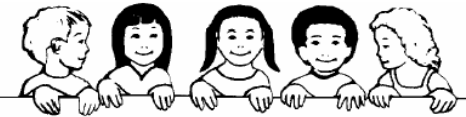
# GRAHAM RESERVOIR & FIELD PROJECT

Presentation to the Graham Neighborhood  
by

The City of Mountain View  
&

Mountain View-Whisman  
School District

February 26, 2004



**Mountain View-Whisman  
School District**

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# OBJECTIVES

- Update project progress
  - Present revised site layout
  - Discuss City and District commitment to address impacts to neighbors and school
  - Discuss project status, design and construction schedule
  - Opportunities for public comment
  - Questions, Answers and Comments
-

# Project Elements

- 8 MG Buried Concrete Reservoir
- Well
- Pump Station
- Generator
- Appurtenances
- New Athletic Fields

# RECENT CITY/ SCHOOL DISTRICT ACTIONS

- Neighborhood meeting - May 17, 2001
- City/District discussed and approved project concept 2001-2003
- Public meeting - Nov. 17, 2003
- Council authorized 8MG tank - February 10, 2004
- Environmental document circulated for review and comment - February 12, 2004

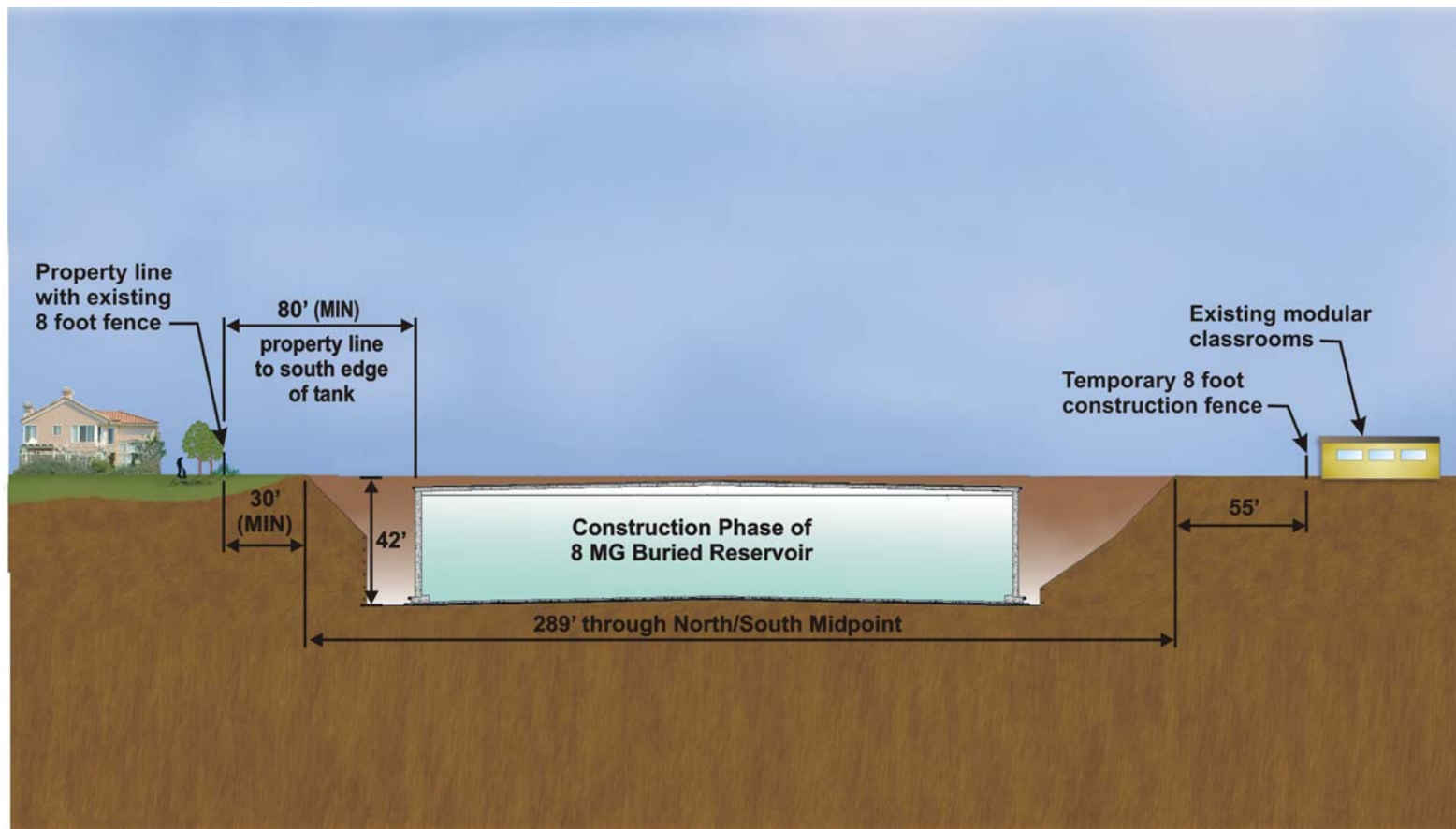
# NEIGHBOR'S CONCERNS

- Noise
  - ❑ Construction; vibration
  - ❑ Pump station
  - ❑ Athletic activities
- Dust
- Traffic
  - ❑ Construction traffic and parking
  - ❑ Parking for athletic activities
- Visual
  - ❑ Lighting
  - ❑ Pole Height
- Safety (construction)



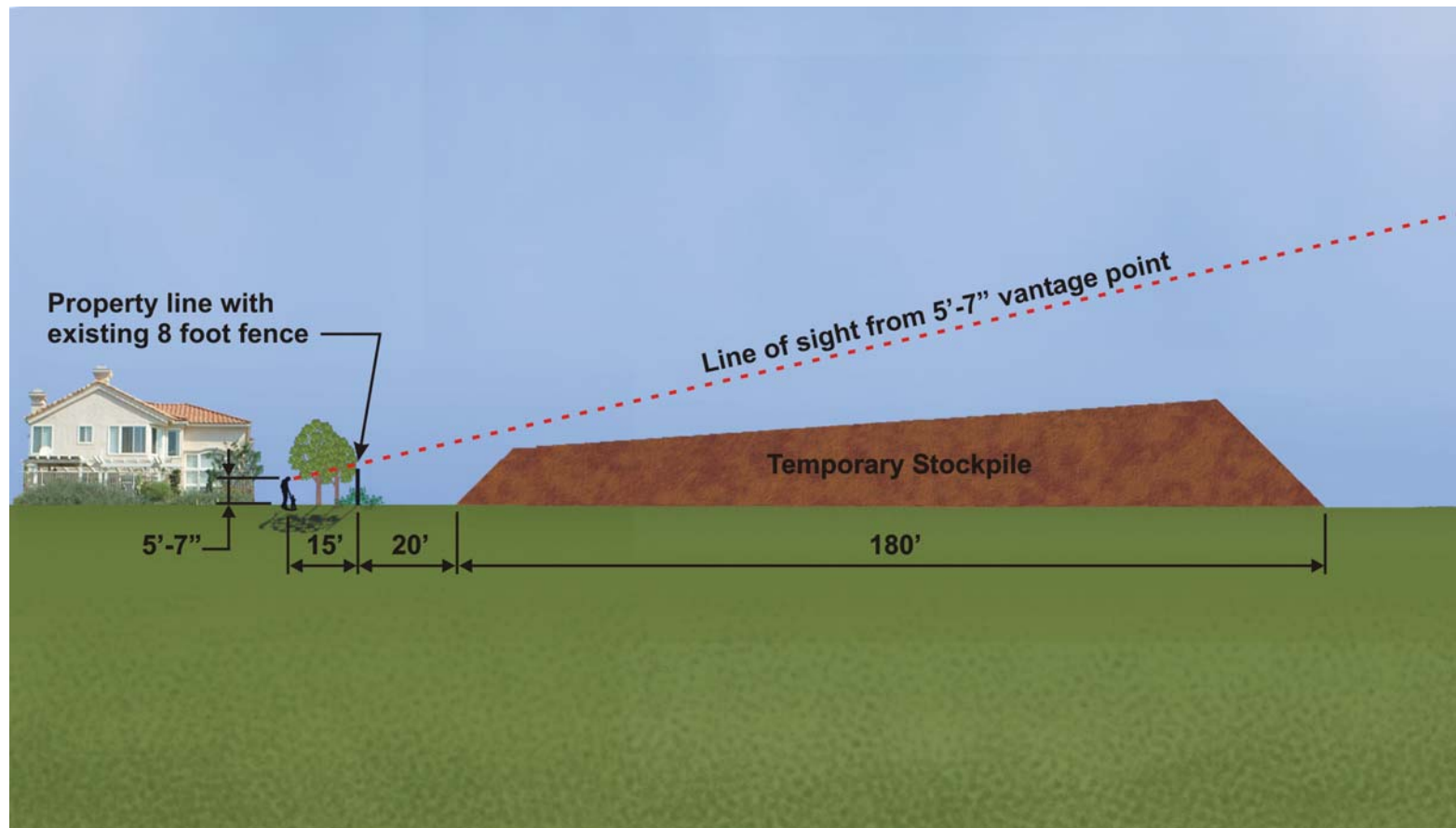


# CROSS SECTION OF TANK CONSTRUCTION THROUGH RUSTIC LANE PROPERTIES



Minimum distance from work area to property line

# CROSS SECTION OF TEMPORARY STOCKPILE THROUGH RUSTIC LANE PROPERTIES



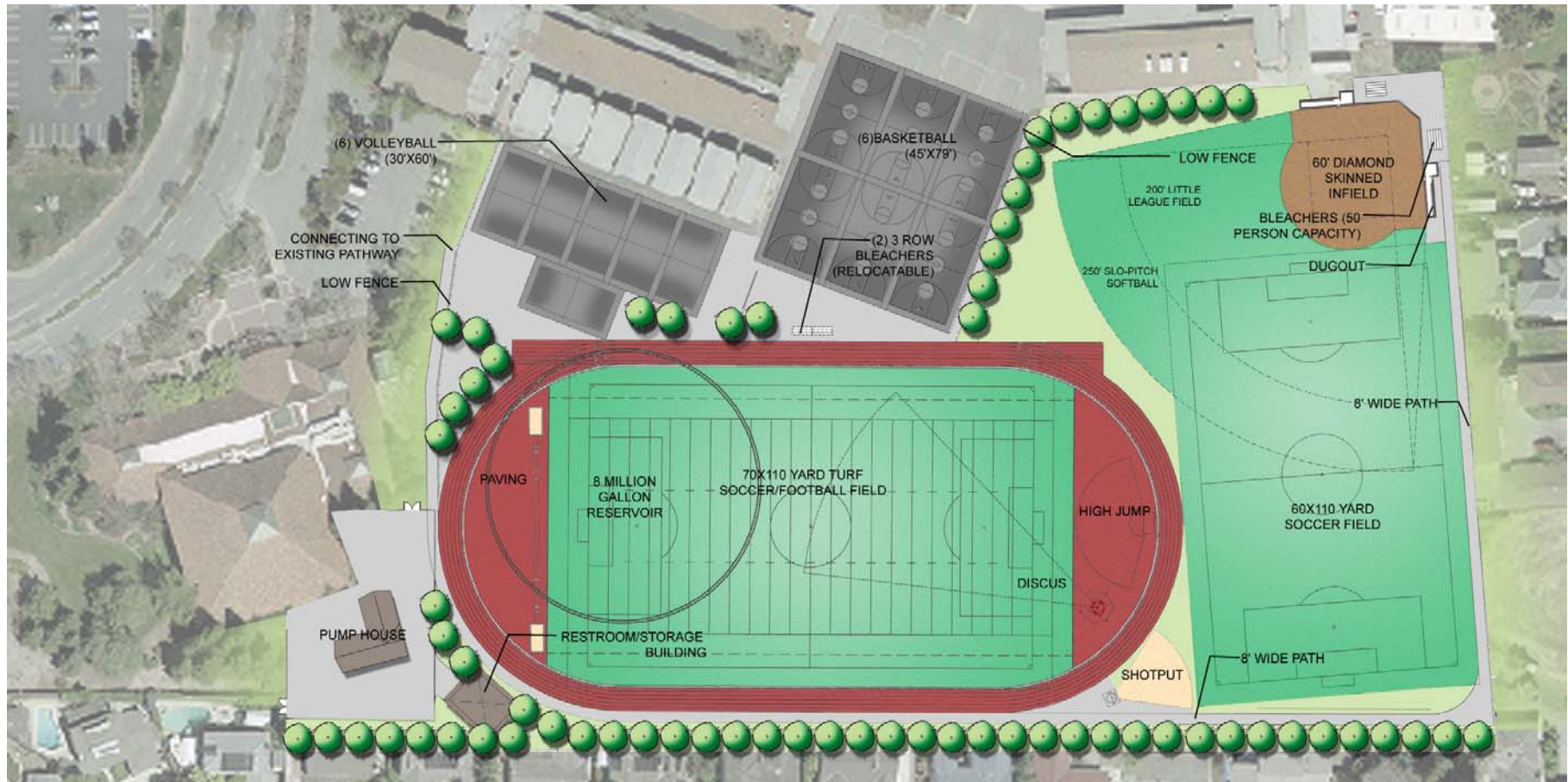
Visual line of sight from properties on Rustic Lane

# Playfield Major Components

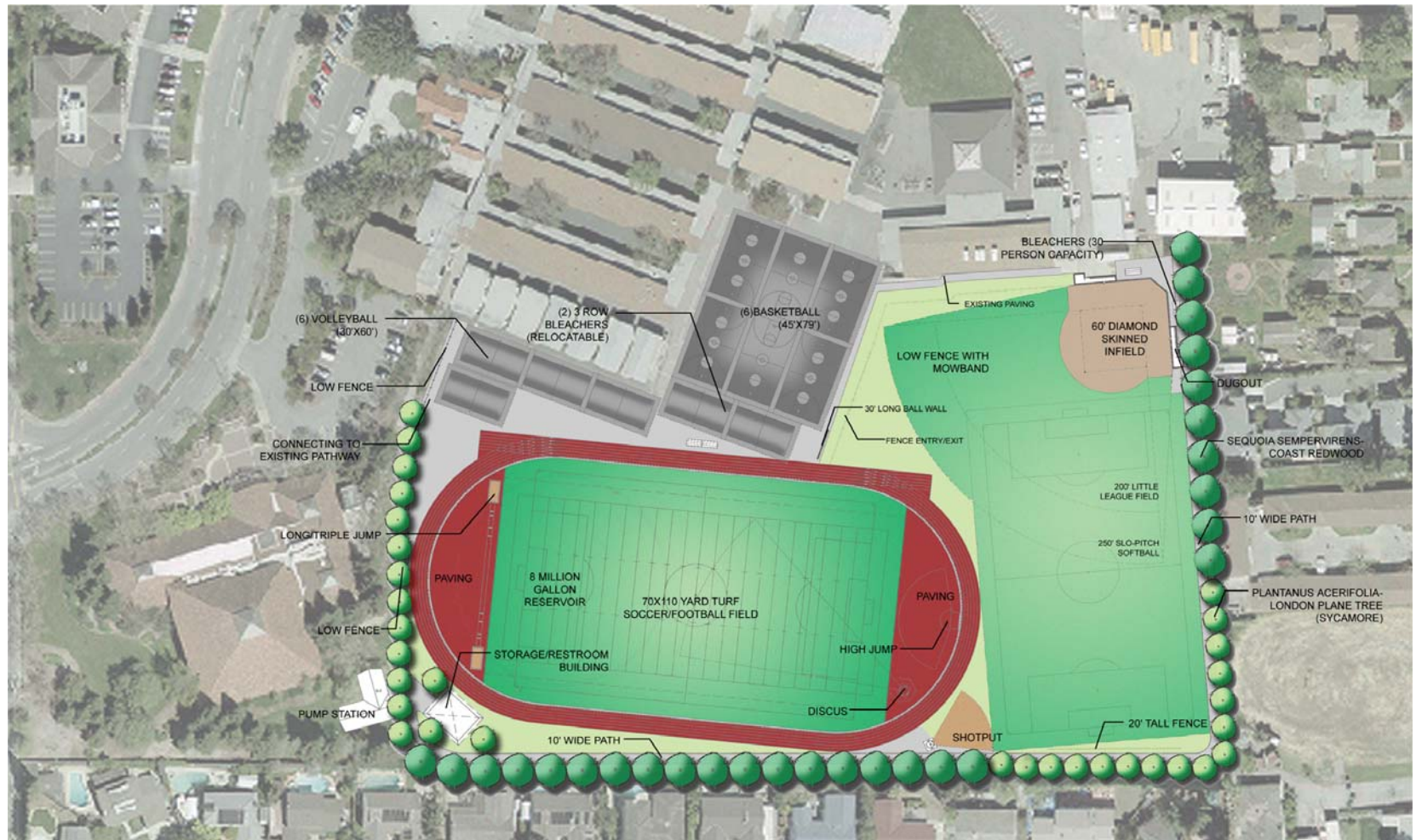
- 400m Track
- Basketball/Volleyball Courts
- Soccer/Football Fields
- Little League Baseball/Slo-Pitch Softball Field
- Storage and Restroom Building
- Lighting

# Athletic Field Improvements-Alternative 1

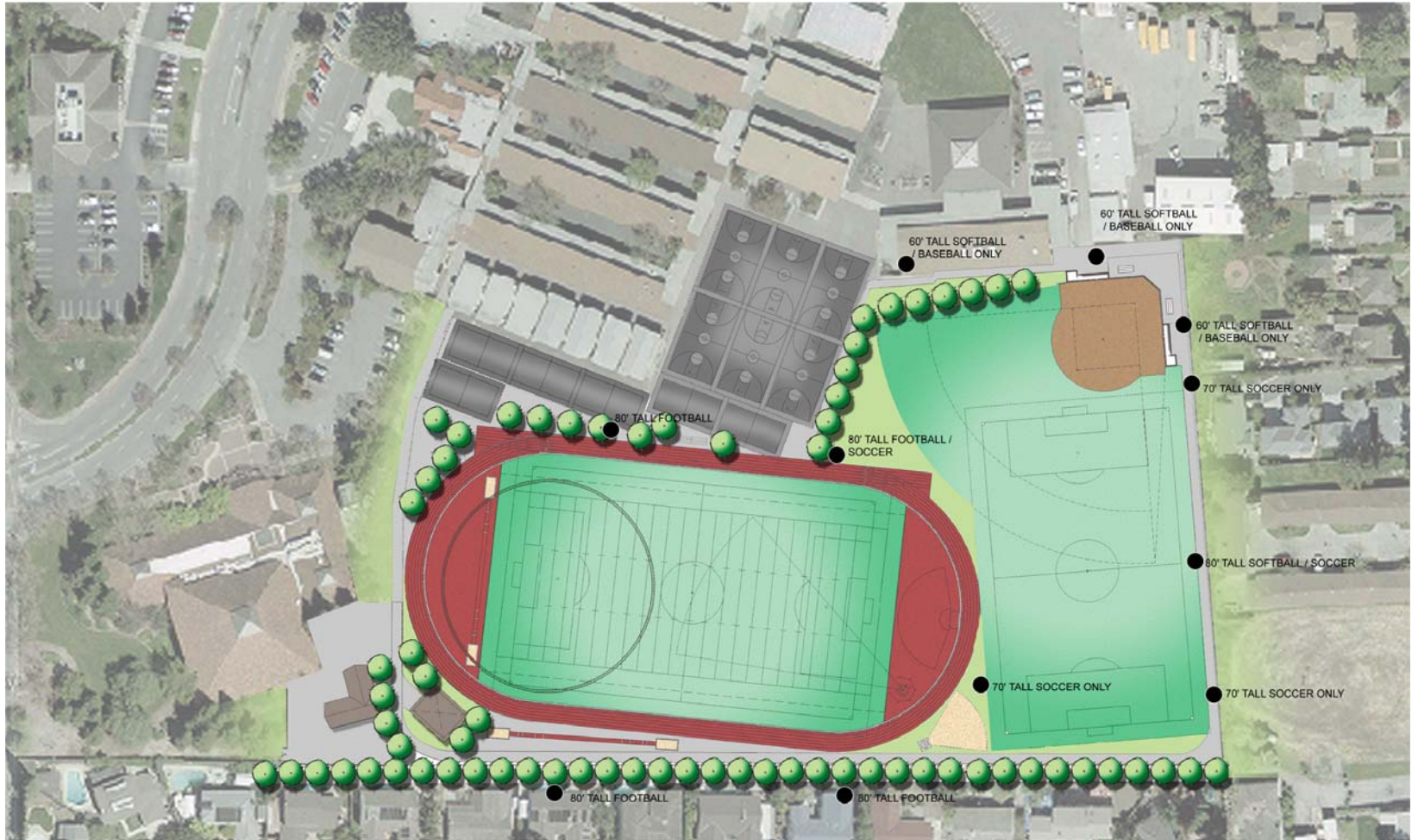
## Track Parallel w/ South Property Line



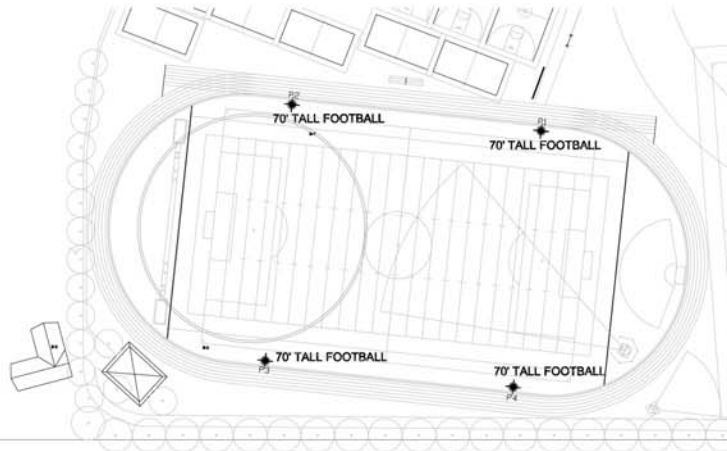
# Athletic Field Improvements-Preferred Alternative



# Sports Fields Lighting Plan-Original Concept

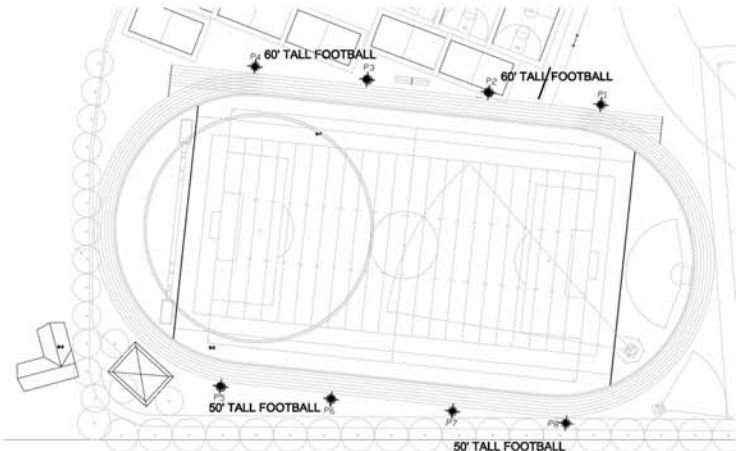


# Sports Fields Lighting Plan



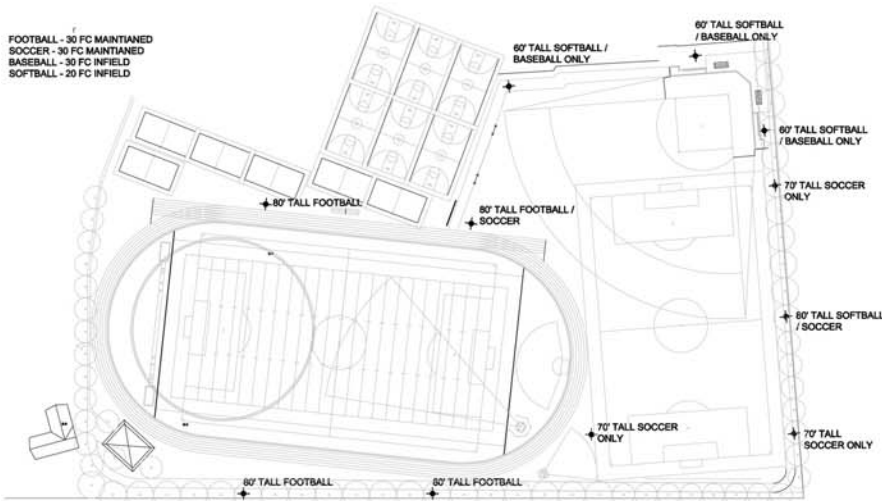
Option 1

Numeric Summary							
Project: All Projects							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Football Field	Illuminance	Fc	33.32	55.3	19.3	1.74	2.90

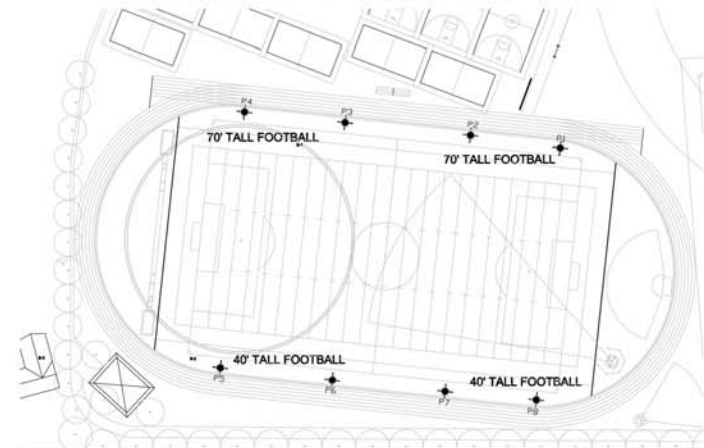


Option 2

Numeric Summary							
Project: All Projects							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Football Field	Illuminance	Fc	32.36	50.2	23.3	1.40	2.17



Original Preliminary Design



Option 3

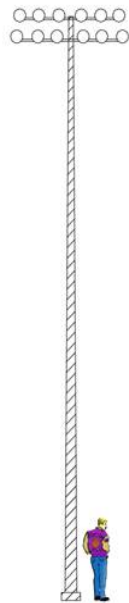
Numeric Summary							
Project: All Projects							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Football Field	Illuminance	Fc	35.34	58.7	26.1	1.35	2.25



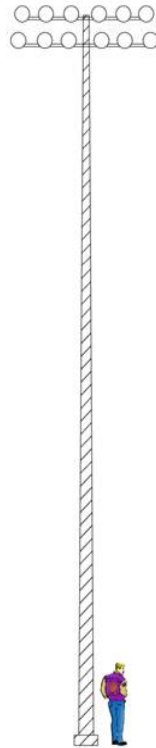
# Sports Fields Lighting Plan



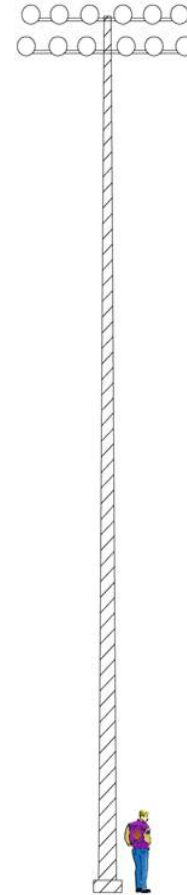
30' HEIGHT LAMP



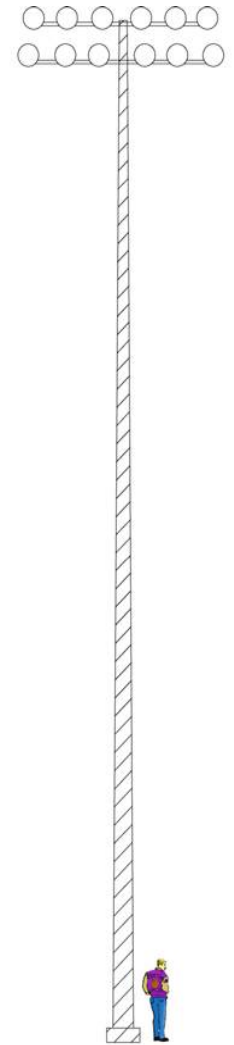
40' HEIGHT LAMP



50' HEIGHT LAMP

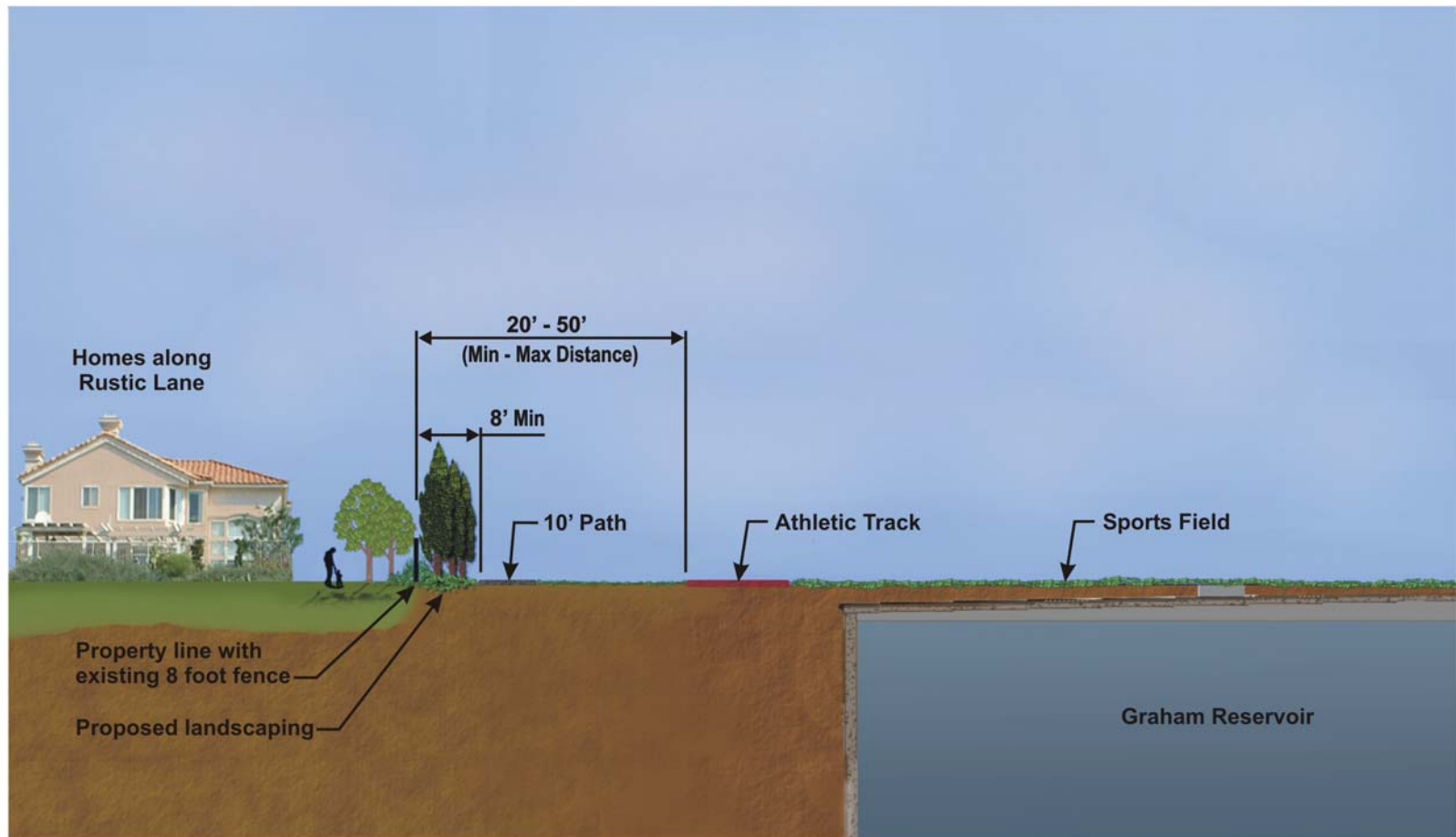


60' HEIGHT LAMP



70' HEIGHT LAMP

# CROSS SECTION THROUGH COMPLETED PROJECT



# Landscaping Screening along Southerly and Easterly Property Lines

## **Sequoia sempervirens – Coast Redwood**



**Large Evergreen Tree**  
**Typical Height 60' to 80'**  
**Fast Growing Dense Conical Shape**  
**Leaf Color – Medium to Dark Green**  
**Rapid Growth**



**Long Lived Species**  
**Thick Reddish Brown Bark**  
**Insect and Disease Resistant**  
**Attractive Ornamental Tree**

# Landscaping Screening along Southerly and Easterly Property Lines

## **Plantanus acerifolia – London Plane Tree (Sycamore)**

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**Large Deciduous Tree**  
**40' to 60' Typical Height**  
**Spread of Tree Matches Height**  
**Summer Leaf Color – Medium to Dark Green**  
**Autumn Leaf Color – Yellow/Brown**



**Exfoliating Bark**  
**Pollution Tolerant**  
**An Excellent Tree for Lawn, or Street Planting**  
**Good Shade Tree**



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# ENVIRONMENTAL COMMITMENTS

- Designate City liason
  - Full time inspector
  - Noise
    - Work hours 7:00 am to 4:30 pm (except for well drilling)
    - Conduct noise assessment before and during construction
    - Erect temporary soundwall if needed
    - Temporary relocation during well drilling if needed
  - Dust
    - Daily inspection
    - Watering
    - Cover stockpile
-

# ENVIRONMENTAL COMMITMENTS

## ■ Construction Traffic

- ❑ Avoid pick up and drop off period
- ❑ Designate construction route and parking area

## ■ Visual

- ❑ Landscaping (planting prior to construction)

## ■ Safety

- ❑ Fencing
- ❑ Flagger
- ❑ 24 hours site security

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# GRAHAM RESERVOIR & FIELD, PROJECT 01-39

## SCHEDULE AND MILESTONES

- ISMND Public Review Period Feb 12, 2004 – March 15, 2004
  - City Council Certify ISMND March 23, 2004
  - Construction
    - Mass Grading June 2004 – September 2004
    - Reservoir Construction August 2004 – September 2005
    - Athletic Fields August 2005 – March 2006
-

# RESERVOIR UNDER CONSTRUCTION



Hearst Castle

# RESERVOIR UNDER CONSTRUCTION



2.0 mg – Escondido, CA

# RESERVOIR UNDER CONSTRUCTION



2.0 mg – Escondido, CA

# COMPLETED PROJECT



2.0 mg – Escondido, CA

# RECLAIMED WATER RESERVOIR WITH ATHLETIC FIELD ON ROOF



9.0 mg – San Diego, CA

# COMPLETED PROJECT WITH PARK ON ROOF



1.0 MG – Signal Hill, CA

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# COMPLETED PROJECT WITH ATHLETIC FIELDS ON ROOF



1.0 MG – San Diego, CA

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# COMPLETED PROJECT WITH SPORTS FACILITIES ON ROOF



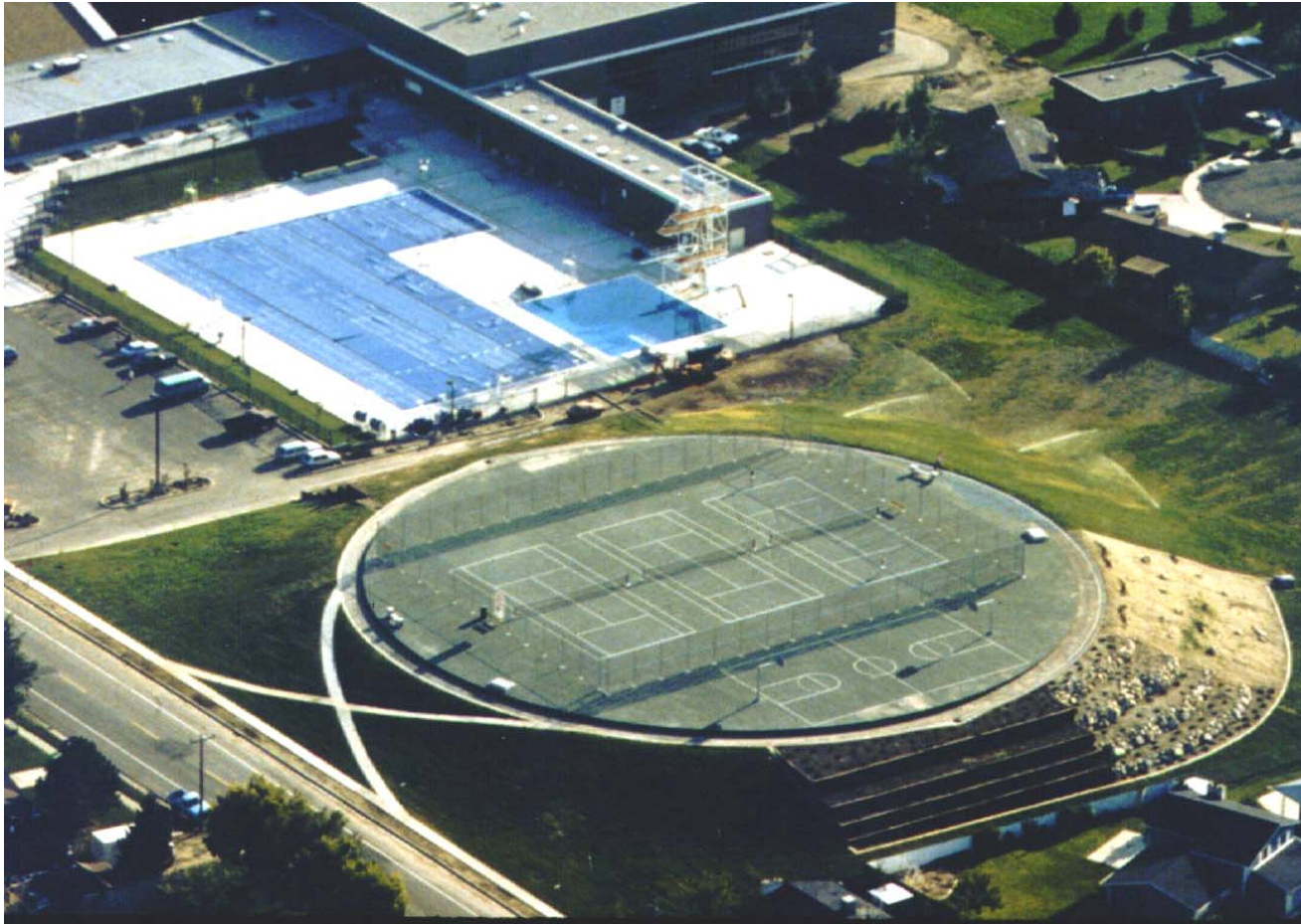
10.0 MG – Garden Grove, CA

# COMPLETED RESERVOIR WITH “SANDBOX” PARK ON ROOF



2.0 mg – Garden Grove, CA

# COMPLETED PROJECT WITH SPORTS FACILITIES ON ROOF



6.0 mg – Salt Lake City, UT

# COMPLETED PROJECT



1.0 mg – Anaheim, CA

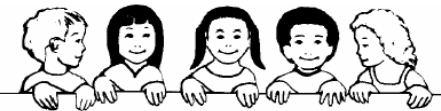
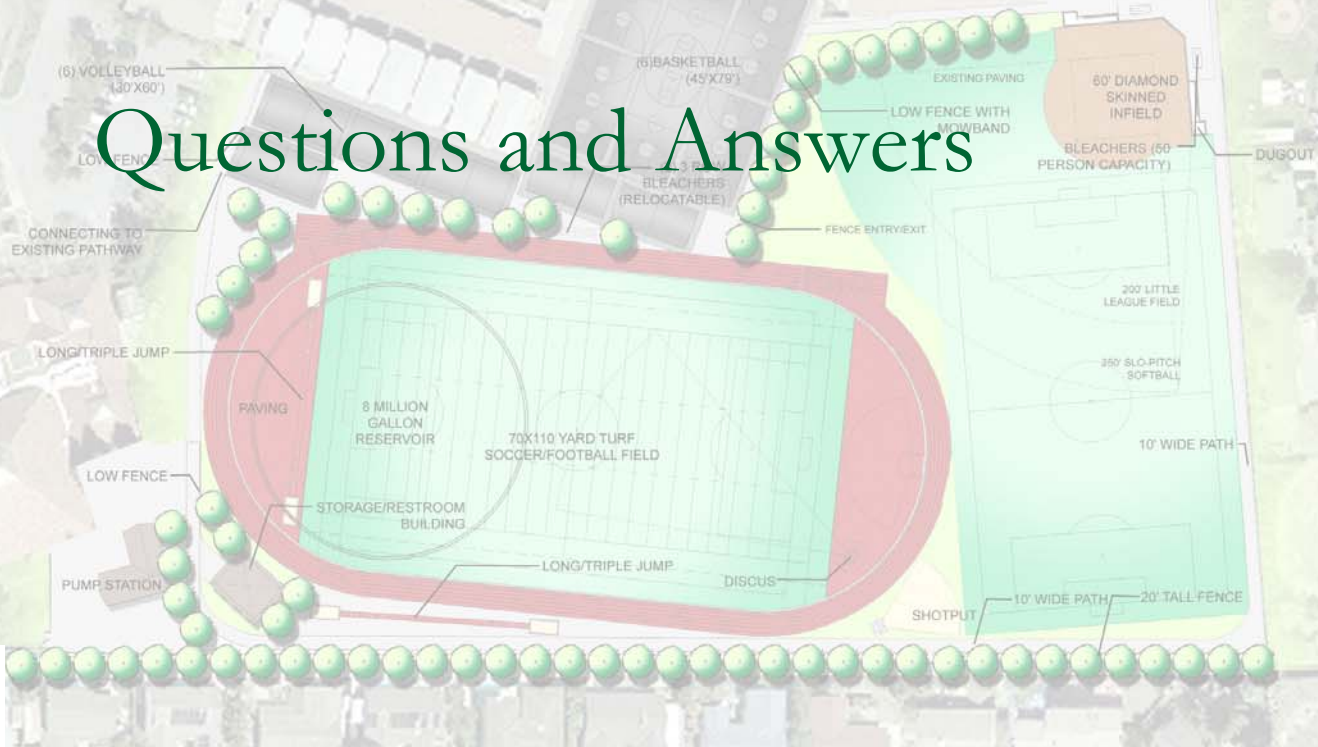
# COMPLETED PROJECT WITH SPORTS FACILITIES ON ROOF



2.0 mg – Laguna Niguel, CA

# GRAHAM RESERVOIR & FIELD PROJECT

## Questions and Answers



**Mountain View-Whisman  
School District**